

S-2446.01

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Nobuji KISHIMOTO, et al.

Serial No. Unassigned

Filed: Concurrently herewith

For: LOWER ALKANE OXIDATIVE DEHYDROGENATION CATALYSTS  
AND A PROCESS FOR PRODUCING OLEFINS

The Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

July 2, 2001

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b)

Sir:

Under the provisions of 37 CFR 1.97(b), and in accord with Applicants' duty of disclosure under 37 CFR 1.56, Applicants would like to call the Examiner's attention to the documents cited on the attached form PTO-1449. These documents were previously cited by, or submitted to, the Patent and Trademark Office in application Serial No. 08/313,652, filed May 18, 1999.

Respectfully submitted,



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## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

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Unassigned

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N. KISHIMOTO, et al.

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4 1 3 1 6 3 1	12/26/78	Hardman			
	4 7 7 7 3 1 9	10/11/88	Kung, et al.			
	3 9 3 7 7 4 6	2/76	Croce, et al.			
	4 3 7 0 2 5 9	1/83	Eastman, et al.			
	4 3 9 7 7 7 1	8/83	Grasselli, et al.			
	5 6 3 7 5 4 5	6/97	Lewis			

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes	No
3 7 9 4 3 3 A1	7/25/90	European			X	
1 0 7 3 8 9 3 A	10/19/92	China			X	
9 7 3 6 8 4 9	10/9/97	World				
0 5 5 7 7 9 0	9/01/93	Europe			X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

Neftekhimiya (1990), 30(2) 207-10, and its English abstract.

J. Chem. Commun. (1991) (8) 558-9.

Catal. Lett. (1996), 37, (3,4), 241-6.

ACS Symp. Ser. (1996), 638 (Heterogeneous Hydrocarbon Oxidation) 155-169.

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PTO-FB-A820

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## U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	3 9 2 5 4 9 8	12/9/75	Stadig			
	3 6 6 6 6 8 7	5/30/72	Croce, et al.			
	3 6 0 7 9 6 6	3/28/68	Croce, et al.			
	4 9 1 2 0 8 1	3/27/90	Sofranko, et al.			
	4 9 6 0 9 2 1	10/90	Suresh, et al.			
	4 7 8 0 4 4 5	12/88	Jung			

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	Japanese Laid-Open (KOKAI) Pat. Appln. No. 245494/1996 and English abstract.
	Japanese KOKAI NO. 045643/1998 and English abstract.
	Japanese KOKAI No. 118491/1998 and English abstract.
	Japanese KOKAI No. 62041/1980 and U.S. Patent No. 4,260,822.

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U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4 5 0 0 5 0 5	2/85	Jevnikar, et al.			
	4 3 3 0 4 2 9	5/82	Sasaki, et al.			
	4 0 7 8 0 0 4	3/78	Schalaef, et al.			
	4 1 0 7 2 7 2	8/78	Mori, et al.			
	3 9 9 7 4 4 0	12/76	Box, Jr. et al.			
	3 9 1 4 3 8 9	10/75	Haacke			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	Japanese KOKAI No. 128247/1992 and English abstract.
	Patent Abstracts of Japan, vol. 016, no. 128, 2 April 1992 & JP
	03 293034 A (Sakai Chem Ind Co Ltd).

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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5 8 4 9 2 5 7	12/98	Fujiwara, et al.			
	5 6 0 5 7 7 3	2/97	Ellgen			
	4 9 7 3 3 9 7	11/90	Ho			
	4 9 6 8 6 5 6	11/90	Fukuda, et al.			
	3 9 2 9 6 8 1	12/75	Buonomo, et al.			
	3 8 7 3 6 2 8	3/75	Van Sorge			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

		DATABASE WPI, Section Ch, Week 199430, Derwent Publications Ltd.,
		London, GB; Class A41, AN 1994-247719.
		DATABASE WPI, Section Ch, Week 198903, Derwent Publications Ltd.,
		London, GB; Class E36, AN 1989-022697.

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